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RAW SEQUENCE LISTING

DATE: 06/05/2003

PATENT APPLICATION: US/09/816,124A

TIME: 11:12:45

Input Set : N:\Crf4\Refhold\I816124.raw

Output Set: N:\CRF4\06052003\I816124A.raw

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1 <110> APPLICANT: NAGASAWA, YASUO
2   YOSHIDA, HIDEAKI
3 <120> TITLE OF INVENTION: METHOD FOR DETECTING AND ISOLATING GENES
4 <130> FILE REFERENCE: 4001-0001C
5 <140> CURRENT APPLICATION NUMBER: US/09/816,124A
6 <141> CURRENT FILING DATE: 2001-03-26
7 <150> PRIOR APPLICATION NUMBER: PCT/JP97/04126
8 <151> PRIOR FILING DATE: 1997-11-12
9 <150> PRIOR APPLICATION NUMBER: JP 1996-305163
10 <151> PRIOR FILING DATE: 1996-11-15
11 <160> NUMBER OF SEQ ID NOS: 24
12 <170> SOFTWARE: PatentIn Ver. 2.1
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15 <211> LENGTH: 29
16 <212> TYPE: DNA
17 <213> ORGANISM: Artificial Sequence
18 <220> FEATURE:
19 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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35 <211> LENGTH: 38
36 <212> TYPE: DNA
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46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence

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48 <220> FEATURE:
49 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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55 <211> LENGTH: 10
56 <212> TYPE: DNA
57 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
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60     primer
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62     cccggccggg
64 <210> SEQ ID NO: 6
65 <211> LENGTH: 26
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
70     primer
71 <400> SEQUENCE: 6
72     atgagctcag aaccagctgt ggaatg
74 <210> SEQ ID NO: 7
75 <211> LENGTH: 36
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
80     primer
81 <400> SEQUENCE: 7
82     ctgttctgcg ccgttacaaa accagaaagt taactg
84 <210> SEQ ID NO: 8
85 <211> LENGTH: 35
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
90     primer
91 <400> SEQUENCE: 8
92     ttacttctgc tctaaaagct ggcgcgccct gcagt
94 <210> SEQ ID NO: 9
95 <211> LENGTH: 38
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
100     primer
101 <400> SEQUENCE: 9

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106 <212> TYPE: DNA
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108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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111 <400> SEQUENCE: 10
112      cagttaactt tctggttttg taacggcgca gaacag      36
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115 <211> LENGTH: 35
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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121 <400> SEQUENCE: 11
122      actgcagggc gcgccagctt ttagagcaga agtaa      35
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125 <211> LENGTH: 38
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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131 <400> SEQUENCE: 12
132      atgtatctta tcatgtctgg cacatacgat ttaggtga      38
134 <210> SEQ ID NO: 13
135 <211> LENGTH: 35
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
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140      primer
141 <400> SEQUENCE: 13
142      taggtaccgt cgaccctga acctgaaaca taaaa      35
144 <210> SEQ ID NO: 14
145 <211> LENGTH: 88
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: Template DNA
150 <400> SEQUENCE: 14
151      ggcgcgcctt gcagtctaga gaattccac gaatcaaag gcccgggcca gaagatgcat 60
152      ggctcgaggc ggccgcaagc ttctatag      88
154 <210> SEQ ID NO: 15
155 <211> LENGTH: 78
156 <212> TYPE: DNA

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157 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: Template DNA
160 <400> SEQUENCE: 15
161     cacatacgat ttaggtgaca ctatagaagc ttgcggccgc ctcgagccat gcatcttctg 60
162     gcccgggcca ttgattc                                         78
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165 <211> LENGTH: 26
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
170     primer
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172     atgagctcag aaccagctgt ggaatg                               26
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177 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
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185 <211> LENGTH: 33
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
190     primer
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192     cgaggccaag cttgcctcgg cctctgagct att                       33
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196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
200     primer
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206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA inserted
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DATE: 06/05/2003

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TIME: 11:12:45

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211 <400> SEQUENCE: 20
212   atgagctcag aaccagctgt ggaatgtgtg tcagttaggg tgtggaaagt cccagggctc 60
213   cccagcaggc agaagtatgc aaagcatgca tctcaattag tcagcaacca ggtgtggaaa 120
214   gtccccaggc tccccagcag gcagaagtat gcaaagcatg catctcaatt agtcagcaac 180
215   catagtcccc cccctaactc cgcccatccc gccctaact ccgcccagtt ccgcccattc 240
216   tccgccccat ggctgactaa ttttttttat ttatgcagag gccgaggcca agcttgccctc 300
217   ggctcttgag ctattccaga agtagtgagg aggctttttt ggaggcctag gctttgggct 360
218   cgcctctctc cttcacgcgc cctccgcccg acctgaggcc gccatccacg ccggttgagt 420
219   cgcgtttctg cgctcccgcc ctgtgggtgcc tcctgaactg cgtccgccgt ctaggtaagt 480
220   ttaaagctca ggtcgagacc gggcctttgt ccggcgctcc cttggagcct acctagactc 540
221   agccggctct ccacgctttg cctgaccctg cttgctcaac tctacgtctt tgtttcgttt 600
222   tctgtttctg gccgttacgc ggccgcggta ccat                                     634
224 <210> SEQ ID NO: 21
225 <211> LENGTH: 467
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Description of Artificial Sequence: Lac operator
230   of POPI3
231 <400> SEQUENCE: 21
232   agcttggttg gaatctaaaa tacacaaaca attaggatcc ctgaggagca gttctttgat 60
233   ttgcaccacc aggagcctca aatttttcaa taaattcacc tgactgcaca ttaggacttt 120
234   ggctttgagc ttcccacctc tcagttactt gctgaatact gtctgcttca tcaatattat 180
235   cataggtgtg cccaaatgat atttgcaacc cttccctgtt ggctacttgt ctcaccattg 240
236   taggcctaag gggagacgga tccgtagttt aacacattat acactagggt cgactgtgga 300
237   attgtgagcg ctcacaattc cacaacctag ggtcgactgt ggaattgtga gcgctcacia 360
238   ttccacaacc tagggctgac tgtggaattg tgagcgctca caattccaca acctagtaaa 420
239   ttttatattt accttagagc tttaaacttc tgtaggtagt ttgtcca                                     467
241 <210> SEQ ID NO: 22
242 <211> LENGTH: 467
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Description of Artificial Sequence: Lac operator
247   of POPI3
248 <400> SEQUENCE: 22
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250   ttgtggaatt gtgagcgctc acaattccac agtcgaccct aggttggtga attgtgagcg 120
251   ctcacaattc cacagtcgac ctaggttgtt ggaattgtga gcgctcacia ttccacagtc 180
252   gaccctagtg tataatgtgt taaactacgg atccgtctcc cattaggcct acaatgggtga 240
253   gacaagtagc caacagggaa gggttgcaaa tatcatttgg gcacacctat gataatattg 300
254   atgaagcaga cagtattcag caagtaactg agaggtggga agctcaaagc caaagtccta 360
255   atgtgcagtc aggtgaattt attgaaaaat ttgaggctcc tgggtggtgca aatcaaagaa 420
256   ctgctcctca gggatcctaa ttgtttgtgt attttagatt ccaacca                                     467
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259 <211> LENGTH: 25
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:

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VERIFICATION SUMMARY

DATE: 06/05/2003

PATENT APPLICATION: US/09/816,124A

TIME: 11:12:46

Input Set : N:\Crf4\Refhold\I816124.raw

Output Set: N:\CRF4\06052003\I816124A.raw

STATISTICS SUMMARY

PATENT APPLICATION: US/09/816,124A

DATE: 06/05/2003

TIME: 11:12:46

Input Set : N:\Crf4\Refhold\I816124.raw

Output Set: N:\CRF4\06052003\I816124A.raw

Application Serial Number: US/09/816,124A

Alpha or Numeric or Xml: Numeric

Application Class:

Application File Date: 03-26-2001

Art Unit: OIPE

Software Application: PatentIN2.1

Total Number of Sequences: 24

Total Nucleotides: 2324

Total Amino Acids: 0

Number of Errors: 0

Number of Warnings: 0

Number of Corrections: 0

MESSAGE SUMMARY